

# All-in-one hydrogen refueling station

## For light-duty vehicles



With more than 200 hydrogen stations delivered all over the world, Air Liquide provides **global hydrogen refueling solutions** from project definition to operation and maintenance support.

Part of the **all-in-one** refueling station product line, the station dedicated to **light-duty vehicles** can supply gaseous hydrogen at **700 bar** and **350 bar**, using a safe protocol for different sized tanks. The single skid provides a **compact footprint** and allows **easy installation** and **relocation** during the asset's life.

## Key benefits

- ✓ All-in-one concept for light-duty vehicles
- ✓ Small footprint and minimalist on-site works, easy asset relocation
- ✓ Versatility with 350 and 700 bar refueling lines
- ✓ Compliant with SAEJ 2601
- ✓ Reliability proven by endurance tests
- ✓ More than 100 patents

**GAS-TO-GAS SERIES**



**ALL-IN-ONE**  
For light-duty vehicles



**MODULAR**  
From light-duty to heavy-duty vehicles



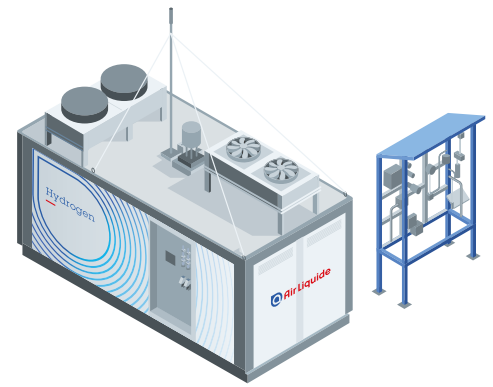
**MODULAR**  
For heavy-duty vehicles 350 bar  
For heavy-duty vehicles 700 & 350 bar

# All-in-one hydrogen refueling station

## Gas-to-gas series | For light-duty vehicles

### Performances

	700 bar Light-duty vehicles Standard fillings (2.5 kg)	700 bar Light-duty vehicles Extended fillings (4 kg)	350 bar Heavy-duty vehicles Demonstration (20 kg)
Source: trailers			
Dispenser(s)	1 x H70	1 x H70	1 x H35
Max. vehicles in 1 hour	8 vehicles	4 vehicles	1 vehicle
24h capacity	300 kg/day	250 kg/day	200 kg/day



### Technical area\*

Standard configuration

30 m<sup>2</sup>

\* Source trailers excluded.

### Technical specifications

<b>Fueling time</b>	<ul style="list-style-type: none"> <li>H70 - light-duty: 4 kg in 6 min</li> <li>H35 - heavy-duty: 20 kg in 30 min (demonstration only)</li> </ul>
<b>Minimum inlet pressure</b>	Trailers: 50 bar
<b>Noise</b>	< 85 dBA at 1 m
<b>Utilities</b>	<ul style="list-style-type: none"> <li>400 V, 3 phases, 50 Hz, 100 kVA</li> <li>Compressed air system included</li> <li>Nitrogen for maintenance purposes only</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>Hydrogen / flame detection</li> <li>Emergency stop buttons</li> <li>Flare adapted to urban use</li> </ul>
<b>Environment</b>	Ambient operating temperature: -20°C to +40°C
<b>Codes and standard</b>	<ul style="list-style-type: none"> <li>CE marking - EN17127 - EN17268</li> <li>ISO 19880-1 + SAT tests certified by 3<sup>rd</sup> party (CEP)</li> <li>IR communication : SAE TIR J2799 (H70 only)</li> <li>Metrology : OIML R139 - Certification by 3<sup>rd</sup> party</li> </ul>

### Modularity

#### Compatible hydrogen sources

Gas trailer and ground storage - possible source in parallel

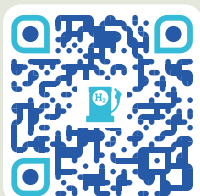
#### Dispensers

- 1 fueling line for 350 bar, 1 fueling line for 700 bar
- Integrated in the station's main container
- Adaptable branding and colors

### Services & maintenance support

- Preventive and corrective maintenance contract
- Technical assistance and training
- Spare parts supply
- Remote control for operation and assistance

Discover our complete range of hydrogen refueling stations:



### Contacts

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